



LJ DEVICE CO., LTD.

力臻股份有限公司  
LJ DEVICE CO., LTD.

零件規格書 / 承認書  
SPECIFICATION FOR APPROVAL

CUSTOMER : \_\_\_\_\_

DESCRIPTION :                     Vibration Motor                    

MODEL :                                     RF-545                                    

CUSTOMER PART NO : \_\_\_\_\_

**APPROVED SIGNATURES**

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Rev	Date	Description	Designed	Checked	Approved
A	2020/4/14	Release		Po Chen	

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# Motor Specification

## 電機規格

0.MODEL 型號： RF-545

### 1.Standard Operating Conditions 工作條件:

- |  |  |
|--|--|
| 1-1 Rated Voltage :                    | 24V DC constant between motor terminals          |
| 額定電壓：24V                               | 馬達端子電壓 24V 同步交流電壓                                |
| 1-2 Direction of Rotation :            | <u>CW</u> when viewed from output shaft side     |
| 回轉方向：CW/CCW                            | <u>CW</u> 從出力軸端觀看                                |
| 1-3 Operating Temperature and Humidity | Temperature range of -10°C~+50°C, Humidity range |
| 工作溫度及濕度                                | of 30%~80%溫度範圍是-10°C~+50°C                       |
|  | 濕度範圍是 30%~80%                                    |
| 1-4 Storage Temperature                | Temperature range of -20°C~+60°C                 |
| 貯藏溫度                                   | 溫度範圍是-20°C~+60°C                                 |

### 2.Measuring Conditions:測量條件

- |   |   |
|---|---|
| 2-1 Motor Position:                         | To be place t horizontally when measuring |
| 馬達放置位置                                      | 測試時水準放置                                   |
| 2-2 Power Supply:                           | Regulated DC power supply                 |
| 電源  | 直流穩壓電源                                    |
| 2-3 Environmental Temperature and Humidity: | Temperature range of 15°C to 30°C         |
| 環境溫度及相對濕度                                   | Relative humidity 30%and 70%              |

### 3.Electrical Characteristics (at initial stage after 30 seconds run-in)電氣性能

- |                             |                     |
|-----------------------------|---------------------|
| 3-1 No Load Current:空載電流    | <u>1.2A</u>         |
| 3-2 No Load Speed:空載轉速      | <u>4000±10%</u> RPM |
| 3-3 Starting Voltage:起動電壓   | 18.5V               |
| 3-4 Rated Load:額定負載         | <u>0.55KG..CM</u>   |
| 3-5 Rated Load Current:負載電流 | 1.55A               |
| 3-6 Rated Load Speed:負載轉速   | <u>3500±10%</u> RPM |
| 3-7 Stall Current 堵轉電流      | 1.8A                |
| 3-8 Maximum torque 最大轉矩     | 5-5.5NM             |
| 3-9 Power 功率                | 18W                 |

4-1 External Appearance:外形

Attached Outline Drawing

4-2 Shaft End Play:軸向竄動

0.05~0.3 mm

# Outline drawing 齒輪箱 (L=mm)

